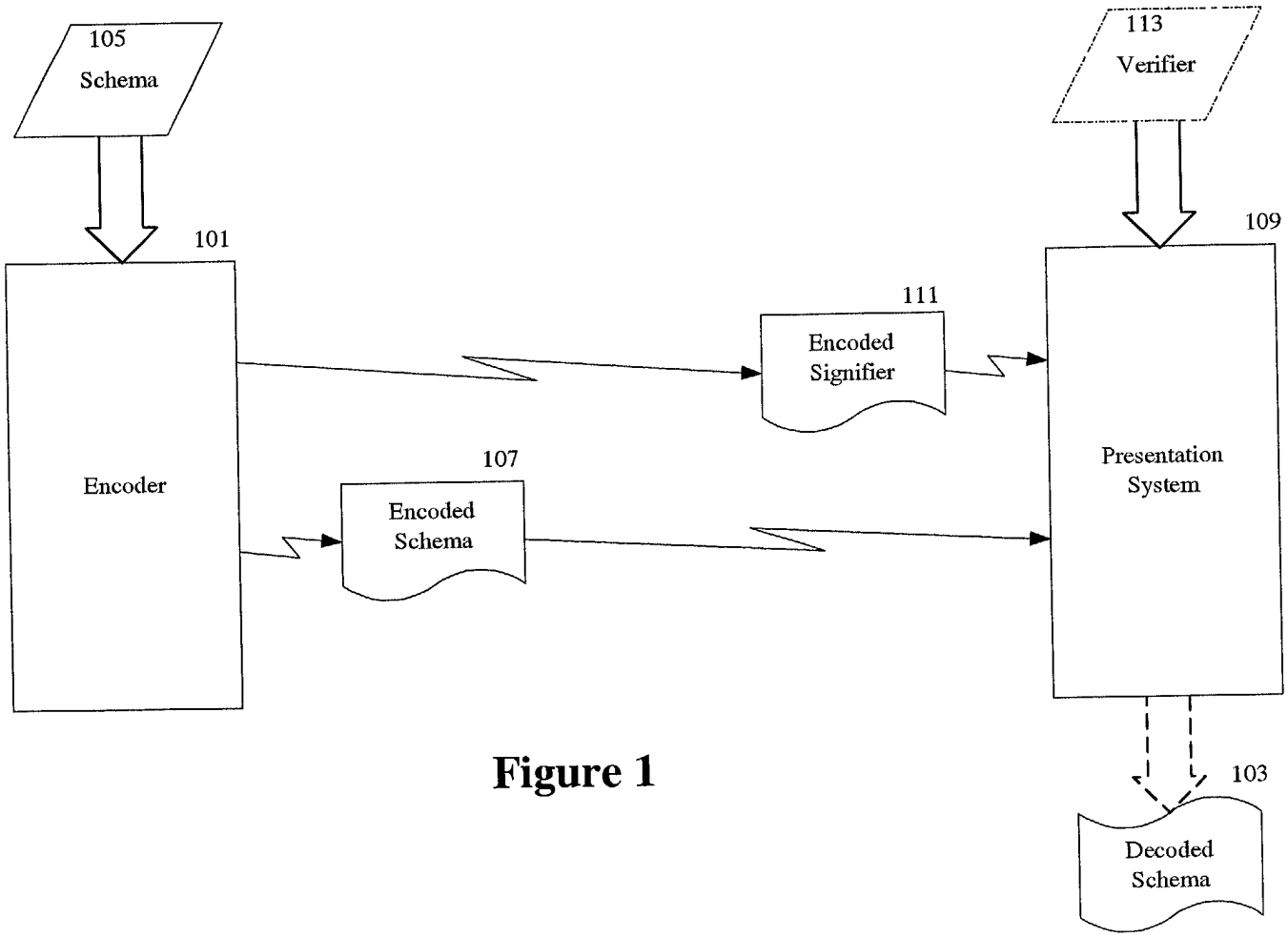

105
Schema
101
Encoder
113
Verifier
109
111
Encoded
Signifier
107
Encoded
Schema
Presentation
System
103
Decoded
Schema

Figure 1

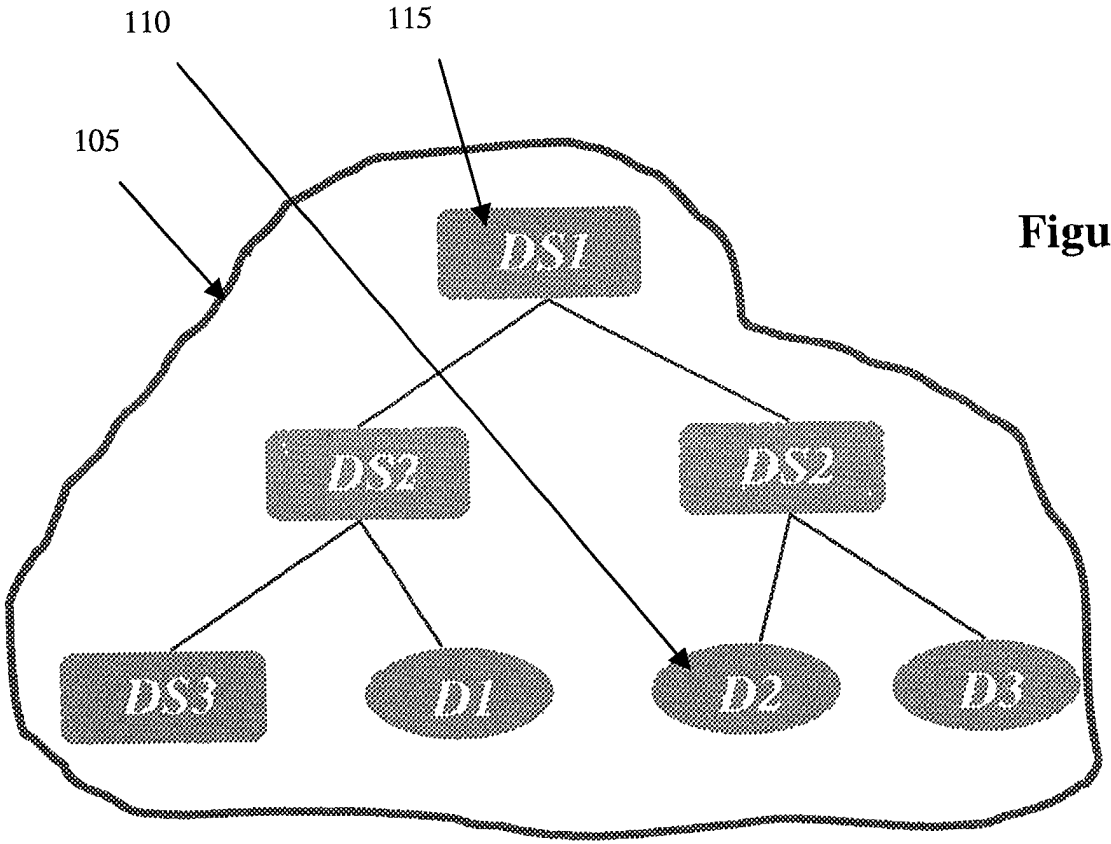


Figure 2

20080904.152606.001

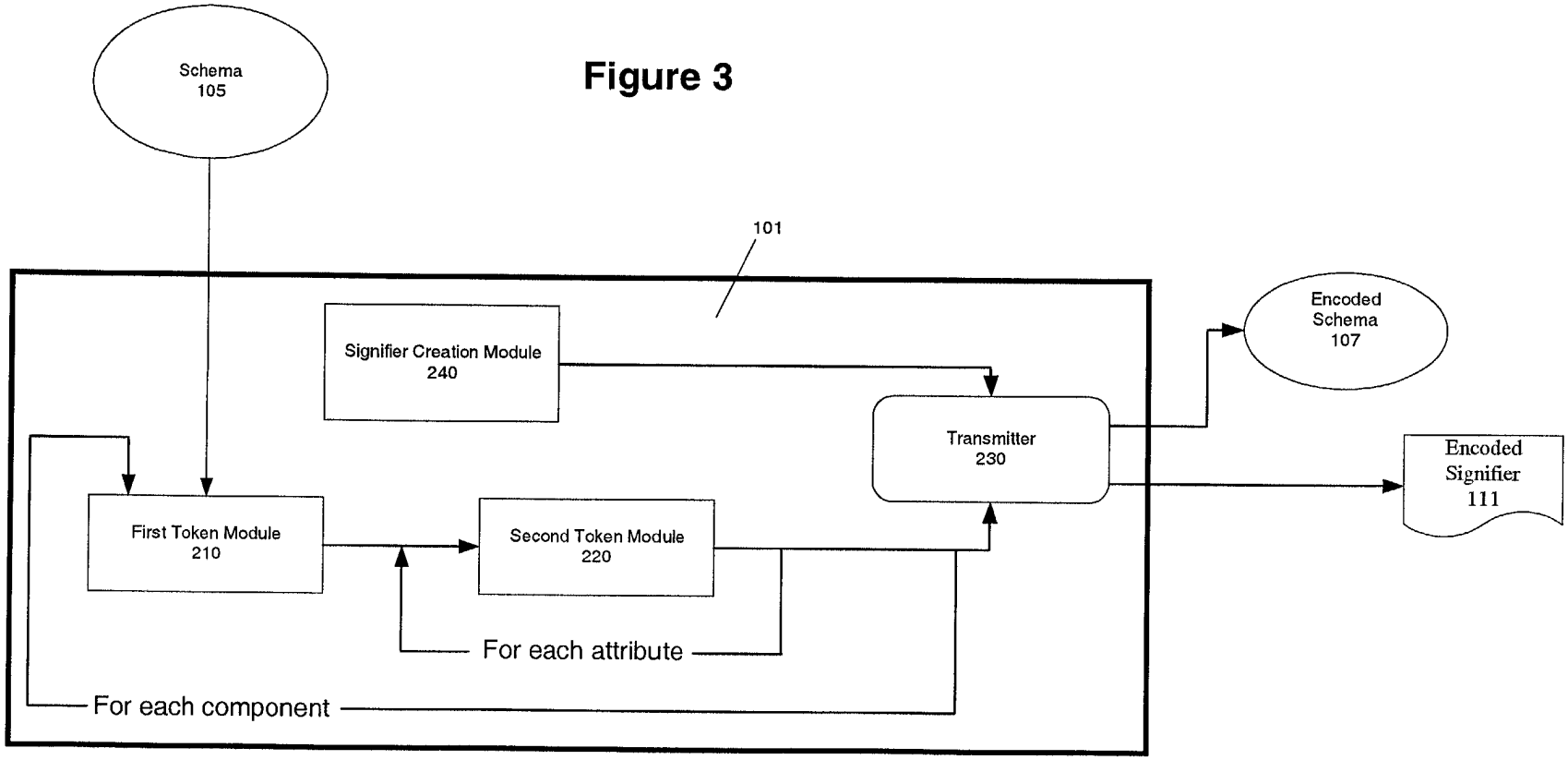


Figure 3

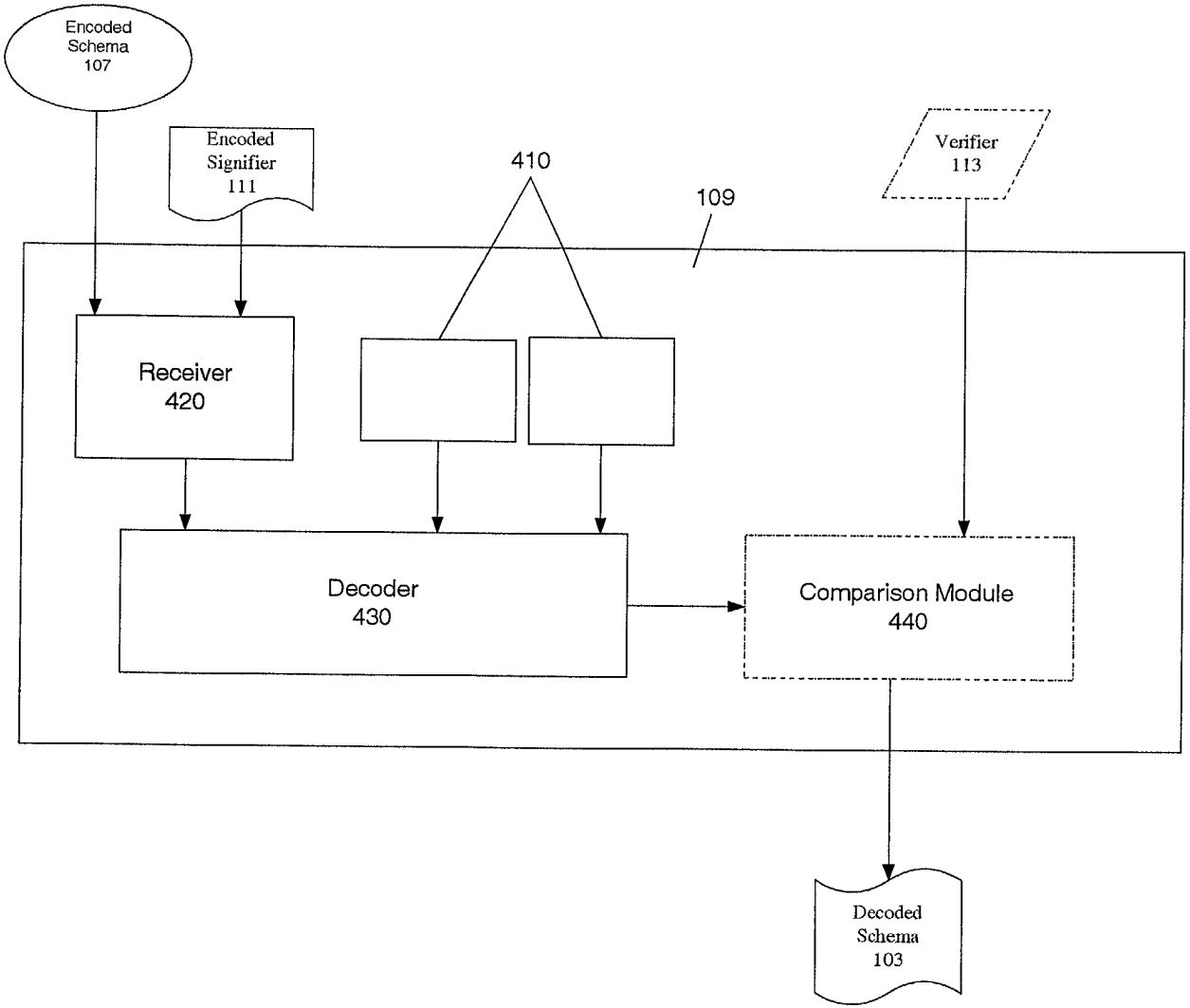

Encoded
Schema
107
Encoded
Signifier
111
410
109
Verifier
113
Receiver
420
Decoder
430
Comparison Module
440
Decoded
Schema
103

Figure 4

20100204.1529060A1

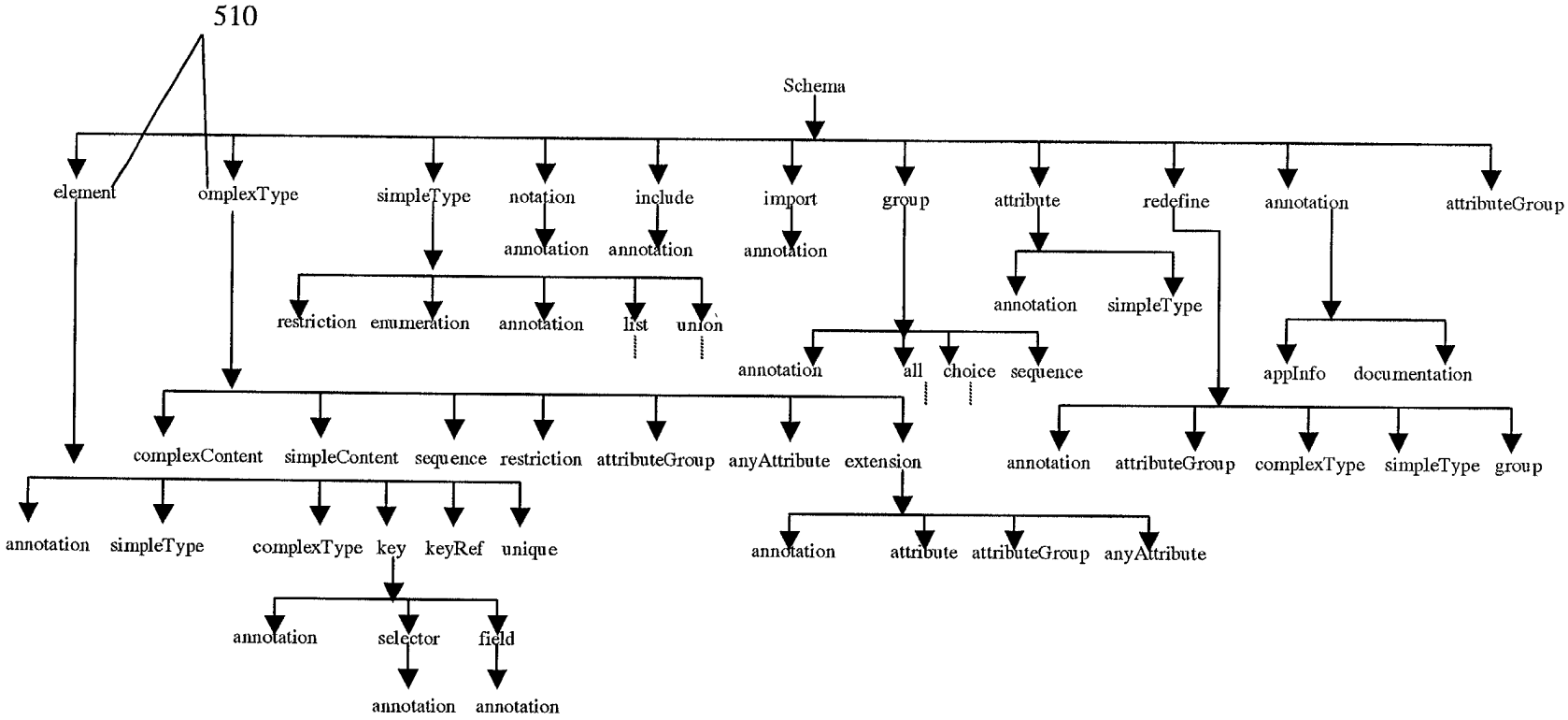


Figure 5

000000	*reserved*
000001	
000010	
000011	
000100	*reserved*
000101	schema
000110	element
000111	complexType
001000	simpleType
001001	group
001010	attribute
001011	notation
001100	include
001101	import
001110	redefine
001111	annotation
010000	attributeGroup
010001	restriction
010010	enumeration
010011	list
010100	union
010101	all
010110	choice
010111	sequence
011000	appInfo
011001	documentation
011010	complexContent
011011	simpleContent
011100	anyAttribute
011101	extension
011110	key
011111	ketRef
100000	unique
100001	
100010	
100011	
100100	
100101	
100110	
100111	
101000	
101001	
101010	
101011	
101100	
101101	
101110	
101111	
110000	
110001	
110010	
110011	
110100	
110101	
110110	
110111	
111000	*reserved*
111001	
111010	
111011	
111100	
111101	*reserved*
111110	Current Component End Tag
111111	Schema end Tag

Element Attribute Table [5 bits] [14 attribute items]	
00000	id
00001	abstract
	..
11110	Extension code for future expansion
11111	End of Attributes

620

610

600

Extension attribute list Table [3 bits] [2 attribute items]	
000	base
001	id
110	Extension code for future expansion
111	End of Attributes

Figure 6

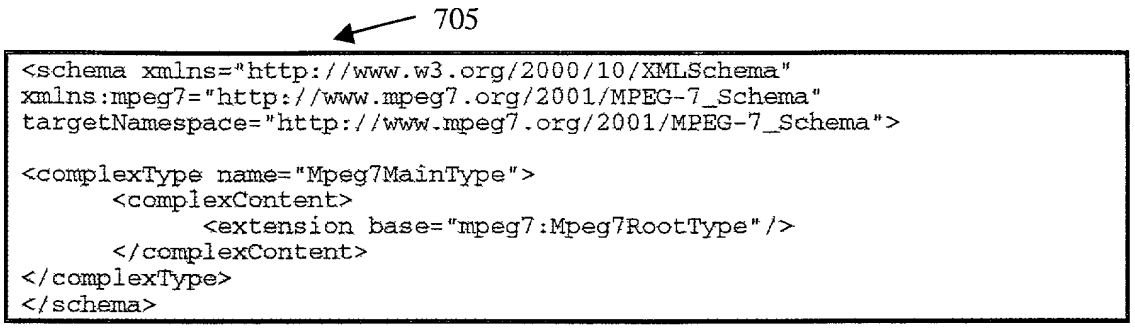


Figure 7

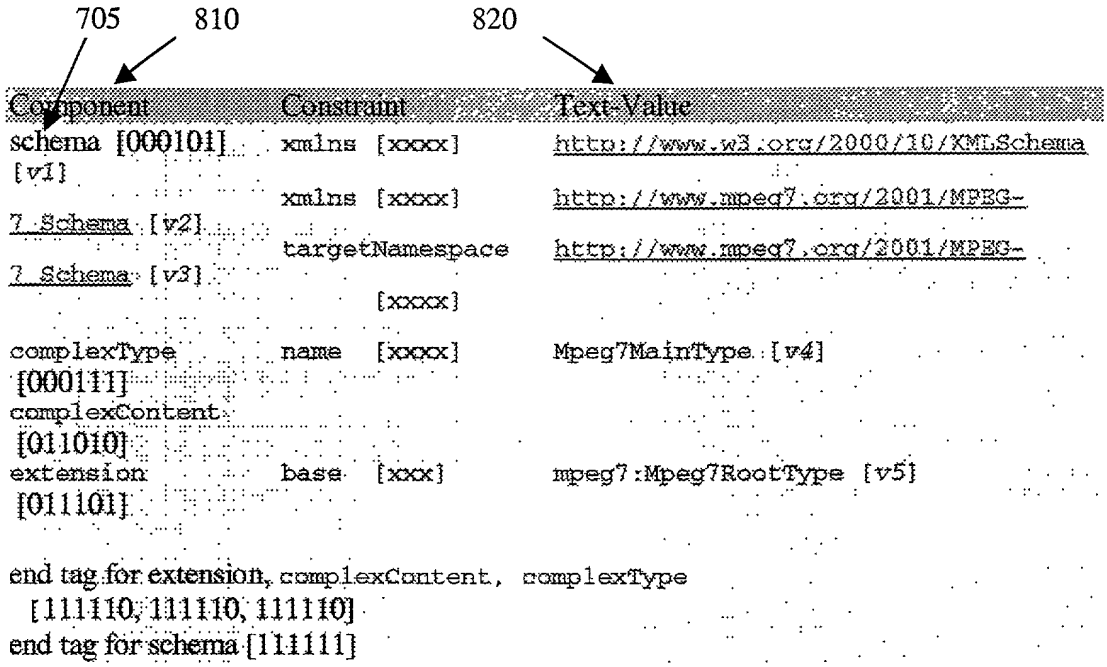
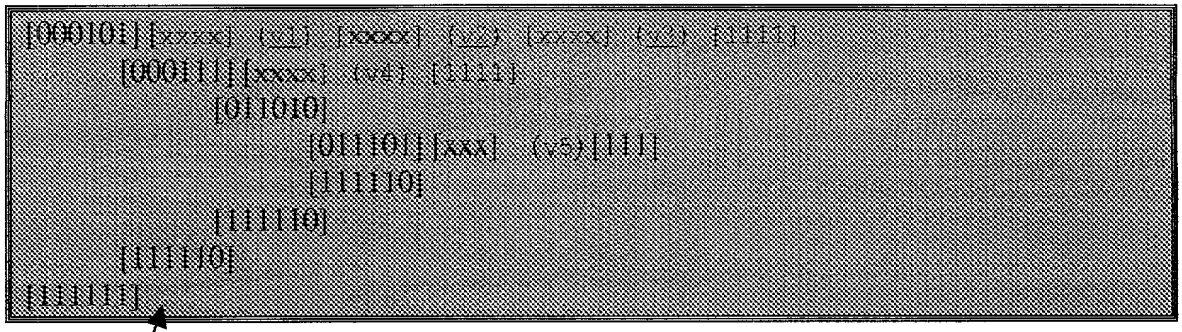


Figure 8



940

Figure 9

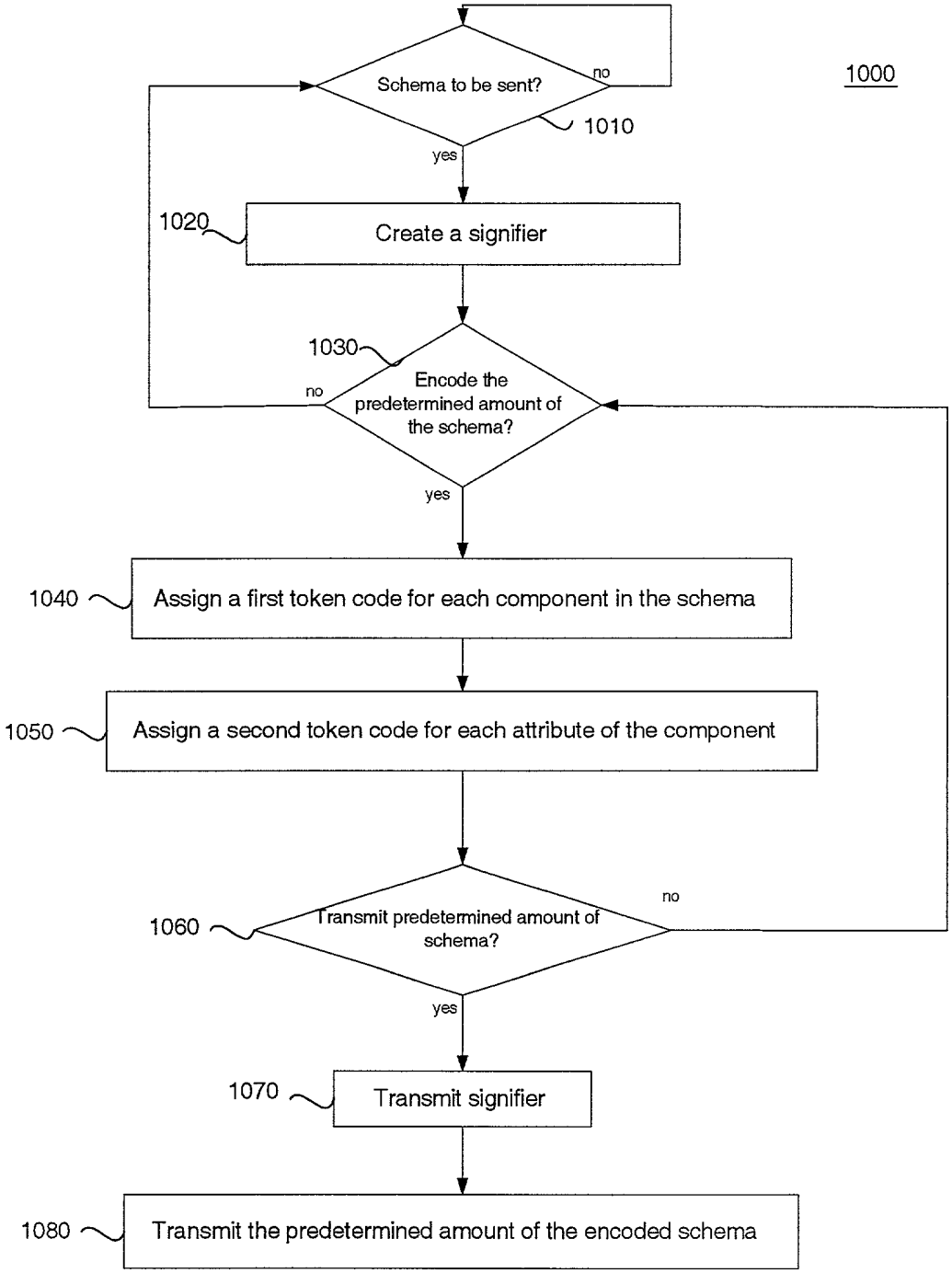

1000
Schema to be sent?
no
1010
yes
1020
Create a signifier
1030
Encode the predetermined amount of the schema?
no
yes
1040
Assign a first token code for each component in the schema
1050
Assign a second token code for each attribute of the component
1060
Transmit predetermined amount of schema?
no
yes
1070
Transmit signifier
1080
Transmit the predetermined amount of the encoded schema

Figure 10

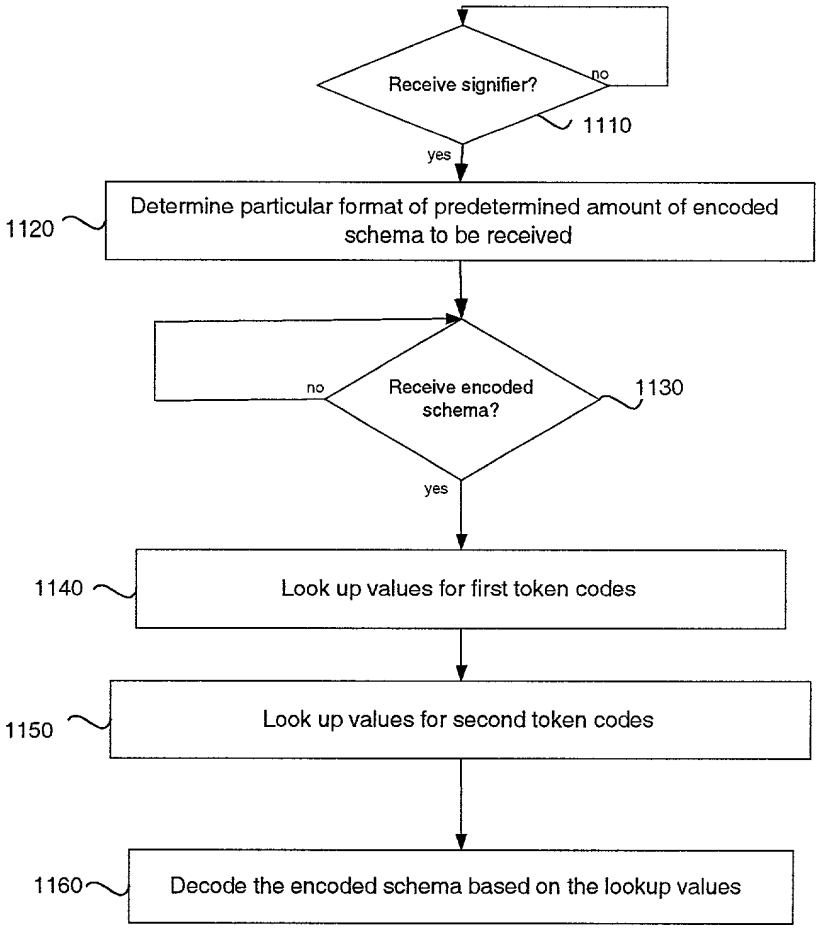

1100
Receive signifier?
no
1110
yes
1120
Determine particular format of predetermined amount of encoded schema to be received
no
Receive encoded schema?
1130
yes
1140
Look up values for first token codes
1150
Look up values for second token codes
1160
Decode the encoded schema based on the lookup values

Figure 11

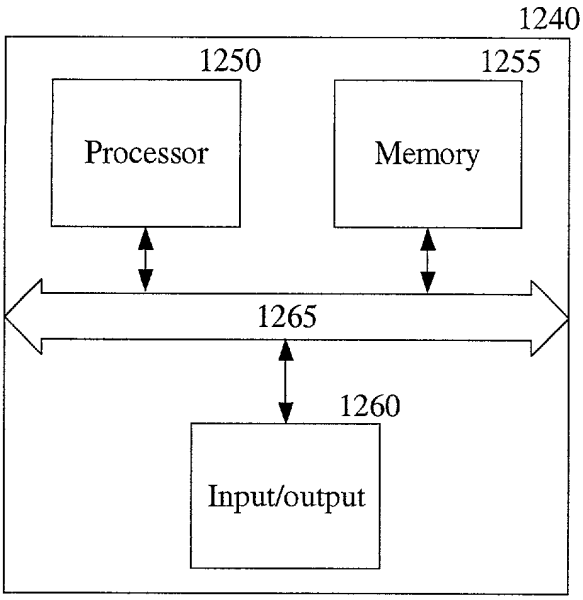


Figure 12